ACC THR

EEEE

AAC

AAG LYS

GCC

GTG

CCA

CAG

TGG

TCT SER

CCC

CTC LEU

CCC PRO PRO

ACA ALA

CTG

GAA

GTG

CGG

GAA

CCA

ACT

TGG TRP GLU

GGG

CGT

Ed

GTG

GTG

VAL

ACC

CHC

GCC AAC ALA : ASN

CGG

GCA

CCC PRO

ALA

000 000

GGT

GAG

GTG

CAG

TGC

CGC

EGA

CTC EEG

CCA GTG AAA LYS AGC SER TAC TCACGCGCCC CAGTCGACGC TGAGCTCCTC TGCTACTCAG AGTTGCAACC TCAGGCTCGCT GTG GAT TIC TCC CCT PRO ASP ACC GGC TTC GAA GLU CTG CTC CCG ALA GGA CAA GLN ACC THR TTC GTG 999 GLY CGG VAL ASN ACC CCC PRO GAG AAT CTC AGC SER AAA LYS ATA CTG CTG ALA ALA GGC CTG GTC VAL ATC GTC GLU ACA TTG GRA CTG TCA AAA Lys TTG TAT TYR CTC GTG VAL CAG A GO TCA SER AAG GGG GLY CCC PRO CCC AAG LYS CCC CGG ARG TCC CAG GAT CTG AAC CCT GCG GTG GAC TGT AAC ASN TGC CCC TCT SER AAC පුපුප SSS ARG ACA THR TCC GLY TCA CCC ACC CCT CAG AGC SER CTG TAT TYR SCTATAAGGA AGC SER GCC TGC CHC AGC AAT TGC SER ATG 350 GLY ACA THE CCC CCA GTG GAG ALA CCT PRO GEA AAG LYS CTC GGA

AGG ARG GAG GTG VAL E E CTG LEU GGG GTG CAA ACG CCC ACC CGG ARG ACG CTG GTC GAC CTG GAG GAA GCT ACT CCC PRO PRO GAG CGC GGG TGC TCG SER GTG VAL TTC SCT. CCA PRO AAT GCC GAG GLU GGA CGG ARG AAA LYS CAT CTG CAC GAT GAG GLU AAG LYS AGA

FIG. 1A

CCC ACC TAC GTG VAL 550 PR0 PR0 CAG ACC THR CAA EEG EG GGC ATC ACA THR GGC A Se ACC 715 666 GTC SCA PRO 55 SS はは TCT GTG EEG CCC GAC TIC CAG CTG GTG CCA TGC CYS GAG GAG GLU **500** EGG ACT THR CAG GEN GTC はな TCC SER AAC GAC A H ACC THR GAG GCG TCC SER GGC CGT TCC SER TTC PHE ALA ALA GAG CAG GGG CCA TGT CYS THE CHANGE GAT AAT ASN AGC SER red Fed CCA PRO GAA A EA E E AGG CIG AAG LYS GAA GAG GLU GTT VAL CGC TCA ACA THR CAG ACC GTC GTG VAL EB CCA PRO 666 GLY CGG ARG GAG GTC GGG GTG VAL GAC TTT ACC THR TGG TGT AAC ACC THR AAT ASN CAG GAG GĽŮ AGT SER CGG ACC GGG ACG THR AAG LYS CAG GAC ASP CCA PRO CTG LEU GTC AGC SER CAG CAG CTG TGG TRP CHI EEG CHI AAC ACG THR GAG CAG AAG LYS GCA TCA CTC ACG GAG AAC ASN AAG LYS SCA PRO ACG THR GTG VAL AAC GAC CIG GCC ALA CAG 000 780 780 GGA CAC ACC THR AAG LYS CHG LEG AAG LYS GGG GTG Val CAC TAC **CCG PRO** E E SCC ALA ATA ILE SCC ALA ATT E G CCC GAG GTC ALA ALA 55 85 85 TGT EB AAG LÝS AGA TCG ATA GTG CAG SCC ALA CTA GAT ASP AAC ASN CAG EGG PR0 PR0 AAC GTA VAL TTC PHE GCC ALA TCG Ser GTC GGC AGG ARG E CE CAC CCC ALA ALA TCC GAG CGG TGG GAG SCC ALA EGG EGG ALA ALA ALA ALA TGT GAC CCC PRO TCG SER AAC GAC GTG VAL GEN GAG CCG AAC ACG THR GLU EEG E E FE GTC VAL PHE CHC AGG AAG AGC ARG ARG red red EEG EEG

## FIG. 1B

ATC ILE CAG GE TGA ACCTATCCCG GGACAGGGCC TCTTCCTCGG CCTTCCCATA TTGGTGGCAG TGGTGCCACA AAA CCG AAC ACA LXS PRO ASN THR AGC SER AAC AGG GTC TAT TYR GCC ALA CTC LEU CGG ARG GAG TAC GGG ACC CCC ATG GLY THR PRO MET TGT CYS TAT TYR AGC ACG CTC CGG ARG TAC CCC PRO CTC GGC ACC GLY THR TCC GGC TAC AGA CTA CAA CAG GCC CAA AAA TYR ARG LEU GLN GLN ALA GLN LYS CTC ACT GCA THR ALA GAG GLU GTG AAT CIT LEU GTG . GGC GAT ACC ATG MET ACT GTC ACT CGA THR VAL THR ARG ATA GTG VAL GTC GAG GLU ALA ALA CGC ACC THR GCC AAA LYS GTG GTA GCA VAL ALA GCC ACG CCT CCC ALA THR PRO PRO AAG LYS TCA GTC ATC ILE GAG GEO AAG LYS CGG ATC ILE GLN

TITCCCCAGA AGGAGIGAII ITICIAICGG CACAAAAGCA CIATAIGGAC IGGIAAIGGI ICACAGGIIC AGAGAITACC GAGACATAGC CCCACCATGA GGACATACAA CTGGGAAATA CTGAAACTTG CTGCCTATTG GGTATGCTGA GGCCCACAGA CTTACAGAAG AAGTGGCCCT CCATAGACAT GTGTAGCATC AAAACACAAA GGCCCACACT TCCTGACGGA TGCCAGCTTG GGCACTGCTG TCTACTGACC CCAACCCTTG ATGATATGTA TTTATTCATT TGTTATTTTA CCAGCTATTT ATTGAGTGTC ITITATGTAG GCTAAATGAA CATAGGTCTC TGGCCTCACG GAGCTCCCAG TCCATGTCAC ATTCAAGGTC ACCAGGTACA CAGGAGAGTG CCTGGCAAAA AGATCAAATG GGGCTGGGAC TTCTCATTGG CCAACCTGCC AAGCCAAGAG GAAGGAGCAA GACTCAAGAC ATGATTGATG GATGTTAAAG TCTAGCCTGA TGAGAGGGGA AGTGGTGGG CTGAACAGAG TGGAAGACAT ATGCCATGCA GCTACACCTA CCGGCCCTGG GACGCCGGAG GACAGGGCAT TGTCCTCAGT CAGATACAAC AGCATTTGGG GCCATGGTAC CTGCACACCT AAAACACTAG GCCACGCATC TGATCTGTAG TCACATGACT GTTGTACAGG TTGTACACTG

## FIG. 10

TCTCGCTCTG TCACCCAGGC TGGAGTGCAG TGGTGCAATC ATGGTTCACT GCAGTCTTGA CCTTTTGGGC TCAAGTGATC TGITIGCATT TCACTGGGAG CTTGCACTAT TGCAGCTCCA GTTTCCTGCA GTGATCAGGG TCCTGCAAGC AGTGGGGAAG GGGGCCAAGG TATTGGAGGA CTCCCTCCCA GCTTTGGAAG GGTCATCCGC GTGTGTGTGT GTGTATGT GTAGACAAGC TCAGAGACGG GGTCTCGCAA CATTGCCCAG ACTTCCTTTG TGTTAA TAAAGCTTTC TCAACTGCCA AAAAAAAAA CAGIGAGGCC TTATICCICC CITCCCCCCA AAACIGACAC CITIGITAGC CACCICCCCA CCCACATACA TITCTGCCAG TGTTACAATG ACACTCAGCG GTCATGTCTG GACATGAGTG CCCAGGGAAT ATGCCCAAGC TATGCCTTGT CCTCTTGTCC CICCCACCIC AGCCICCIGA GIAGCIGGGA CCAIAGGCIC ACAACACCAC ACCIGGCAAA ITIGAITITI ITITITITITI AAAAAA

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## FIG. 2A

ACAACTG CTTCCCAAAA CGGAAAGTAT TTCAAGCCTA AACCTTTGGG TGAAAAGAAC TCTTGAAGTC ATG ATT met ile TTCACATCAA AACTCCTATA CTGACCTGAG ACAGAGGCAG CAGTGATACC CACCTGAGAG ATCCTGTGTT TGA

DICC Pro Act GCC CAA gla ATA ile GTC GTG GCC TAC GCT ala ACA thr GCC CAG gln TCC ser TGG GAA glu GAT cys asn GGT 91y ACA AAT GGA TGT cys AAC asn GTG AAA 1ys asn asn AAC asn CCA TAC AAT ser TAT CTA len AAT GAA AGT GTG val ATC ile tyr AACasn E CCT ala TGC GAG glu SG ala TAC AGAarg ile AAA 1ys GAG GTC TGG AAG CTA ACC thr ATT AGT ser trp cAA gln GCC ala GAG glu AACasn ATC ile ATT ile AAA 1ys GCC ATT ile GTA GAG glu glu AGA TAC CTT leu val AAG 1ys CTC glu GAG GAG cys cys TGT TGT CTT ATC ile AAG lys GAT asp GAA glu GCC ATC ile AAG AAG. 1ys GAA glu GAG glu GTG GGA gly AAA 1ys GAA TAT CTC lea lys AAG GGT gly GAA glu TTG AAC asn ATT GTG Act CAC GGA gly AGC ser ACA TGC ACT TGG ATG CAA gln TGC S S S S S gly AGT cys TAC CTG leu GAC CTC GCT ATT 11e AGG AGT ser TTC CCT GAG arg GCA TAT GCT ala GAA glu ala TGC **GGC** 91y cys GAG glu AGT AAA 1ys GAT ACG GTT TCA val ccr pro CCA AAA 1ys GAT asp TCC cag gln CTC leu TCC ser CTG GAC AAT asn ACA thr caa gln TCA phe CAC ser ACC ACC thr TTT TGT cys AGG TGG AAT asn GGA 91y trp TAT CAG gln AAC asn ACA thr ATG ACC AAG 1ys AAT asn met thr AGC GTA val TCA ser TAC TAC ser TGC TCT cys ည္သည္ AAC gly TTC leu TGG trp ŢŢ ser AGG GCT

cys CAG gln  $\mathtt{TGT}$ TGT GCT phe CAG gln GTG val TAC met TIC ATG leu GCC AGC GAG glu ser ala CCT TTG GTT ser met pro cys TCC ATG CCA GGA gly GGA gly AAA lys phe GAG GTT val glu สรก TIC ATC ile AAT phe cys CAT his AACasn GTG ATG met TGT met CCT met ATG AAC asn CTA ACG thr AGC SGC gly CAA gln AGC GGA gly ser AAT asn TAC gln tyr pro TGC GAA glu CAG gln CCA CAS CTG AGC TGC GAA glu leu ser ပ္ပပ္ပ AAG lys AGG arg GAG glu ACA thr gly TTT phe CCA CCA pro GCC TTC phe arg CGA glu TCT cys TGG GGA gly GAG GTG val cys CCA TCT CAC CTG leu ACC thr CAG gln GAG glu AAC TCT asn GAA glu GAA glu ATT ile tyr TAC AGT ညည pro TTC bhe GGG gly GAC GGC gly asp GAA glu TGC cys CCT GTG Val GGT gly asn asn CAA TCC AAC AAC TGG AAT TGT TTC phe GCT ala AGG arg GTT val ser TGC ACT GGG GAC AAT asn CAG gln AGT gly GAT asp CTG leu TTG leu TCC ACC CCT ser 999 asn TTT gly AAT AGC cys TGG trp TGT ပ္ပပ္ပ TGC TCA ပ္ပပ္ပ ACA TCT ser CAG gln ser ala GAA glu AGC GGA gly ser ACA thr AAA 1ys GAA glu CGC TGT TCA ser CCA pro CAT ATC ile GGA gly cys phe GTT ACC GTC AAT asn ACC thr TCT GAG glu ser TCT CAG ACC CAG gln GCC thr TGT cys ACA ACA thr TCC pro TGC cys CCT TTC phe TIC GCC arg phe AGG CAG asn gln AAC ATG GTG val TCC GAG CCA pro TGC leu TGT GGA gly GGA AGC ACA thr CCA GAT asp CTG leu AAT

# FIG. 2B

AGC ATC ile GGC gly TCT TTA leu GAA glu TGC GGA gly TGG CTT AAG 1ys CCT pro TCT AAA. 1ys CAA TGT cys TGG GGA gly CAG AAC TTG leu GGA gly asn ccc TCA CCG ala CAC his GCT GGA 91y GAA glu S. F. CAG gln TTC GGA gly GTA leu cys သည TGT TGG AAG lys GTT val CTT TTG leu TGG AAG 1ys ACA thr TCT GCAala TCC GAG glu TCT cys ccc CCC AGC TGC GCC CTC leu ACA thr GGG 91y CCC TCT ser CTG CTC leu CAA gln GGA gly ATT ile  $\mathbf{I}^{\mathbf{C}}$ TGC AGC GTGval GAG glu ser ACA thr CAG gln AGC TGC ser cys TTT AAG lys: TGT AACasn ACT thr GAG glu TCA TGT CCC CAC JCC. ĊCA pro GGC gly ACA ser AGC GGC gly GTC TAC CTT TGT GCC AGC ala ser GCA AAA 1ys TTT phe CGG arg GAG glu CAA gln ACC thr ser TGT GCT cys TTA leu GCT ACT GTG val rrc phe GTA GGG gly CAA GAT ACT CCT pro ACA thr သသ GCA GAA glu TCA GTG ccc CTC TGC cys TÀT tyr GTT .val CTG TCT GCT GAG glu GGA gly GGA gly CAA gln AGG AGA. arg CGT arg TTT phe CTC leu GGC. GAA glu GGG gly ATT TAT TGC AAA 1ys GTG AAA 1ys rcc AAT asn TCT cys AGT pro TCC TTA leu AGT ser TCC GCT CCT ACC CTC leu pro TGC Cys CTC ser GAA glu CCL GGC 91y GAA GGA g l.y CCT pro GGA gly AGC GTT AAG 1ys TGT TTT CTA TGG trp GGA gly ATG met ACA GAGgla GCT GCT ala AAC CTG GAG glu TGT GAA glu AGT CCC GTG

TAC CAA AAG CCT TCT TAC ATC CTT TAA GTTCAAA AGAATCAGAA ACAGGTGCAT CTGGGGAACT tyr gln lys pro ser tyr ile leu \*\*\*

gatgitig tcagaigiga taigtaaaca taattctigi atattaigga agattitaaa ttcacaatag aaact FIG. 2D AAAACA TGGTAGAATT GGAGAGTAAA AACTGAATGG AAGGTTTGTA TATTGTCAGA TATTTTTCA GAAATAT GTG GTTTCCACGA TGAAAAACTT CCATGAGGCC AAACGTTTTG AACTAATAAA AGCATAAATG CAAACACACA TCA ACTGAAAAGA CTCAGTGTTC CCTTTCCTAC TCTCAGGATC AAGAAAGTGT TGGCTAATGA AGGGAAAGGA TATITITIC CAAGCAAAGG IGAAGAGACC AAGACICIGA AAICICAGAA IICCIITICI AACICICCCI IG CICGCIGI AAAAICIIGG CACAGAAACA CAATAIITIG IGGCIIICII ICIIIIIGCCC IICACAGIGI IICGA CAGCT GATTACACAG TTGCTGTCAT AAGAATGAAT AATAATTATC CAGAGTTTAG AGGAAAAAAA TGACTAAA AAATCCTACT GAATGCTCTG TGCGAGGGTT ACTATGCACA ATTTAATCAC TTTCATCCCT ATGGGATTCA GTG CTICITA AAGAGITCIT AAGGATIGIG ATATITITAC ITGCATIGAA TATATTATAA ICTICCATAC ITCITC ATTC AATACAAGTG TGGTAGGGAC TTAAAAAACT TGTAAATGCT GTCAACTATG ATATGGTAAA AGTTACTTA T TCTAGATTAC CCCCTCATTG ITTATTAACA AATTATGTTA CATCTGTTTT AAATTTATTT CAAAAAGGGA A ACTATTGIC CCCTAGCAAG GCATGATGIT AACCAGAATA AAGTICTGAG TGTTTTTACT ACAGTIGTTT TITG GAGGGATAC ACTGAAGTTA ACAGAGACAG ATAACTCTCC TCGGGTCTCT GGCCCTTCTT GCCTACTATG CCAG ATGCCT TTATGGCTGA AACCGCAACA CCCATCACCA CTTCAATAGA TCAAAGTCCA GCAGGCAAGG ACGGCCT AAGGTATAAT TTTATGAATG TCTTTGTTGG AAAAGAATAC AGAAAGATGG ATGTGCTTTG CATTCCTACA AA AA TATTATAACT TAAAAAATG ACAGATGTTG AATGCCCACA GGCAAATGCA TGGAGGGTTG TTAATGGTGC

AAAA AAAAGITICA GAGAAGIICI GGCIGAACAC IGGCAACGAC AAAGCCAACA GICAAAACAG AGAIGIGAI GCATTA GAAATTAGCT GTGTGAAATA CCAGTGTGGT TTGTGTTTGA GTTTTTAGA GAATTTTAAA TTATAAC TTA AAATATTTTA TAATTTTTAA AGTATATAT TATTTAAGCT TATGTCAGAC CTATTTGACA TAACACTATA GATCAGGCT ATGTATGGAA TACAGTGTTA TTTTCTTTGA AATTGTTTAA GTGTTGTAAA TATTTATGTA AACT ATTIAACAAT TCCAAAGGAA TCTCCAGTTT TCAGTTGATC ACTGGCAATG AAAAATTCTC AGTCAGTAAT TGC CAAAGCT GCTCTAGCCT TGAGGAGTGT GAGAATCAAA ACTCTCCTAC ACTTCCATTA ACTTAGCATG TGTTGA CACCA TGTAAAAGAG TCATCTGGTA GATTTTTAAC GAATGAAGAT GTCTAATAGT TATTCCCTAT TTGTTTTC TT CTGTATGTTA GGGTGCTCTG GAAGAGGA ATGCCTGTGT GAGCAAGCAT TTATGTTTAT TTATAAGCAG A AGGATCAGAA CAGCAGAGGT TCTTTTAAAG GGGCAGAAAA ACTCTGGGAA ATAAGAGAGA ACAACTACTG AAGGTTGACA ATAAATGTGC TTATGTTT

FIG. 2E

FIG. 3A CGGGCTCAC TGGCTCAGG AGCTGAATAC CCTCCCAGGC ACACACAGGT GGGACACAAA TAAGGGTTTT

GCC CTT ATC ile GTG GTC ATG met lys Ag ACCACTA TITICICATC ACGACAGCAA CITAAA ATG CCT GGG met pro 91y

AAA 1ys AGG GAC asp AAG 1ys **SAG** GAG g lu CAC his pro GTG GGC val CCA GGA 91y GTA val AGG arg ATA ile GGG gly GAA glu GTG ACA thr AAG 1ys ACC ACA thr ATT GAC cag gln GCT ala GAG AAC asn ACC 999 gly ACC ပ္ပ pro GAT asp GCA ATC ile GAG glu CTG GAG glu AGC AAT asn GGG gly ser val GAT GAG glu GTG CTG leu AGG GGA 91y CTG TTT TGC cys ATC ile TCI ser ATT ile pro GAC GAG AAA 1ys CCJ pro AGT ser A.A. lys ACT thr CCA asb GAT GTC CTG phe val GAA glu GGC gly TTT GTT phe TTG leu AGT ser ATG met TTT CCI pro CCA AGT ser GAT asb CCT pro TTG ala TCA GCT **₹** glu GAA glu ACT thr TAC ile AAT AAA 1ys TTC asn ATA GTC S gln val phe GAT asp cAG gln E GTA CAĠ gln CAT ATG met AGG TCC TCI asp ser phe ala ala ser CAC ATT ( GAT lys ser glu val thr AAG AGT GTA ACC ACA thr ATT rcr ser GAC ACC thr GCT GCT GAG. glu AGA CTG GAA glu arg gly GCA GGT TTA GAA ATG met GTT CCA TGG trp TGT ile ACG TTT ATT AAA 1ys ST C TTG leu leu GAT TCA ser met CAG gln TCT TCT ACT ser ATG GCT ala his AGT CAT ser TCT cys GCA ala AAG 1ys ACA TTC 11e ala phe ATA CCI asb CGA arg AAG 1ys GAT oct pro AAG lys TII ACC ACA phe CTT  $\mathbf{TGG}$ TGC суs GGA ACC gly GTC TTT TGC GGG gly TAT SC CG P pro leu CIT GAA glu GIT lys ACA M ser CTG TCI GAG glu ATA AGAarg TCC CTG CTT CTG leu TAC TAC tyr AAT asn GAG glu  $\mathbf{rcr}$ AAT ser TCC GTT leu pro ATC ပ္ပပ္ပ ile cys ACG TCT ser GAA glu TGT ser

3B

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AAA TGT ATC ile TTC 666 g 1 y AACasn CAA gln TGT GTA val CTA AAT asn TCT ၅၁၁ GAG glu AAG 1ys GTT ACG thr Acq val GCT CTT CTA leu CTT AGT GTC CAS TAT ser CCT CCT CAG gln TTA TCT GCT AGC ATT ile GTT val TCT ATT ile phe AGC TTT AGGarg AAA 1ys AAA 1ys ile GAA glu ATT AGC CTA GGA gly val GTC ATG met GGA gly ATT ACA thr AAT asn TCT ser TTA leu GGG gly TGT CAG TTG leu AAA 1ys GAG glu GAT ACT thr AAT asn 666 91y GAT GAA glu AAT asn ACC thr AGC ser SCC pro GTC GAT CTG leu ACG thr AAT asn GAA glu GTG GTG val AAG 1ys ATG met rTG GAA glu ACC thr CGG GAT. GAA glu CTC leu GAG glu GAT CCC pro Acc ATG met TGC cys TTC ACA GAC GAG glu ATT A A GGC gly TCA TTA AGG arg GTG GAT ACC GAA g lu CTT TTG leu AGA arg. GGT AAA 1ys ATG met ATA ile TCT ATG met AGA ATG ccc T.T. phe CCT AAC asn AGT TAC GGC AAG 1ys GCT GAC CCC AAT asn ATC ile TAC GÀG glu ATG met ATT ile AAA 1ys GTC val GGT AGT GTG GAT TTC phe ATA ile GAG glu GTG TTÄ leu GGG gly TGG trp CAA gln GAA g lu TCT ser ATT ile GTT ACC AAT asn AGC ATT ile ATC ile TTC ACC thr TTG leu CAA gln AAT AGT ser CAT his ATG met TTG GAA ccr leu CTG CTC GAA glu TTA GTC GAA glu CCA GTT CTG leu AAT AAG lys ACT AAA 1ys GAA glu AAG 1ys TAT tyr TTC GAT AAG 1ys GTT val CCA GTA ACA thr GCT CTT leu AGT ACT TGC GGA 91y AGA AAT TCC asn GCT GCT CTG GÅG glu AAA 1ys CCT AGC GGA GAA g Lu CCA

GAC GCG CTT TAT tyr AACasn TAG CTAATGCTTG AAA 1ys GAT ACA CTC leu GGA 91y AGA val TTA leu ACA thr AAG 1ys ATC ile AAT asn GGA 91y GCA  $\mathtt{TTG}$ leu ser CTC GAG glu AGT GAA glu GAG glu GTG TTT CTT AGA GCG CAG gln GTC ser TCT ACT TCTTCA AAA ser lys TTA GAG glu TAC GCC AAA 1ys CTT leu TTA ACT GTT val CAA gln AAG 1ys ccT pro ATT ile AAA 1ys CAA GAC CCT TAT CAG AAA ' ATA CGA GAA GGA glu gly TCA TCT AAG 1ys ser CAG gln ATC ile GTT Val ile ATG TTT phe GGC CTG. leu ATC ATT CTA. leu GGG 9:1y GAA GCA ( GGA tyr gly thr TAT ATC ile ACC. AAA 1ys GTT val TTA GAG glu TCT ATT GAC TAT AAA 1ys GTC ATA GAA glu GAT GGG 91y AGT CTT GTA ( GCC AAC AAA 1ys TGG trp GCC AGT ser AAC asn GTG GAA glu CCT AAC asn glū AAA 1ys ACA GGC 9ly GAA GAG CCT ATG met ATA ile GAT TCT AAC asn GAA glu asp AAG 1ys TCT ser CTC leu AAA 1ys TAT ATA ile GAA GAA glu pro pro ATA ile CCI SC AGA cAG gln ACA thr TCA TTA AGA TGT  $\mathbf{rcr}$ ser phe GTTval TTTTCT AGC AGG GGG gly  $\mathbf{r}^{\mathbf{c}}$ ser GAA glu GGA 91y AAA 1ys AAT asn AGA GCT ATT AGC AAG 1ys TCC CAA gln ser CTA leu TAT GGA ACA thr TTA leu GGA gly TGG trp ATG met GCA GTA GTT val CTG , leu GTA val CTT leu TGT CCI AACasn asp AAA 1ys ACA GGA CAG gln ACA

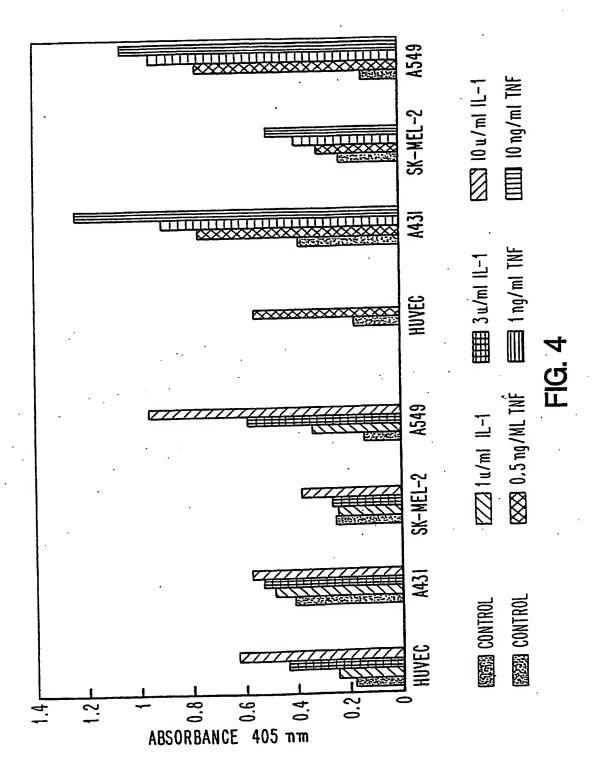
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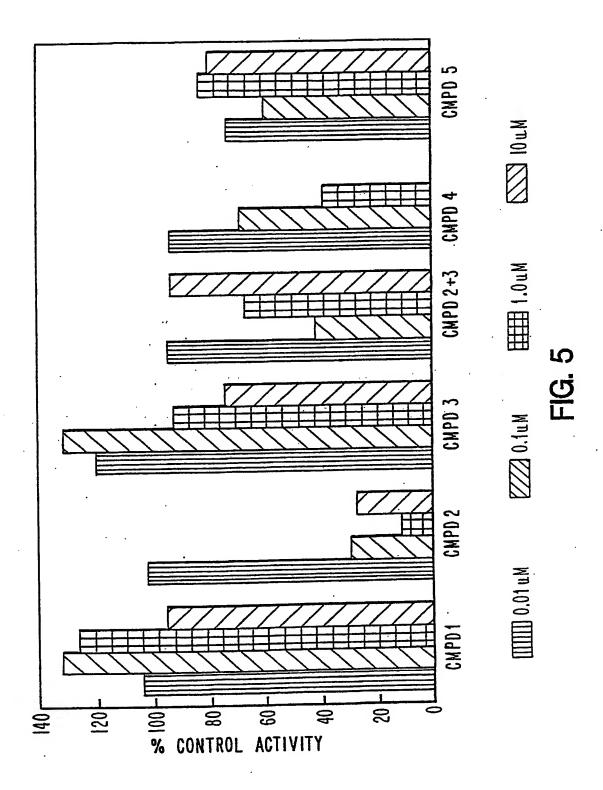
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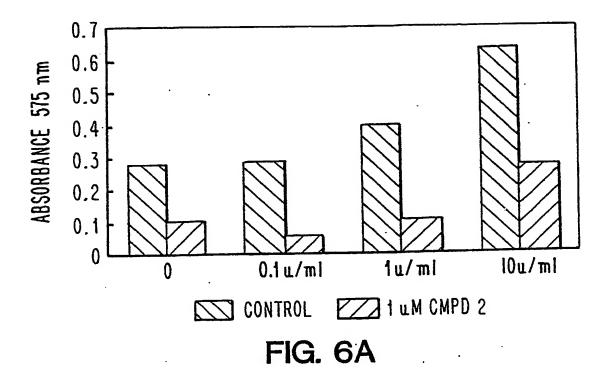
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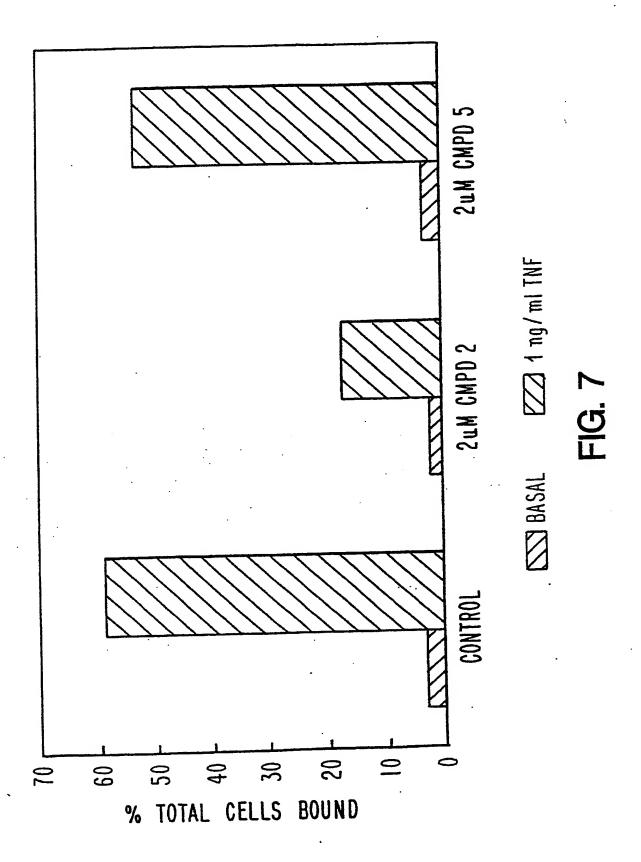
FIG. 3T







1.6 1.4 1.2 30.8 0.6 0.6 0.04 0.2 0 0.01ng/ml 0.3ng/ml 1ng/ml CONTROL 1 LM CMPD 2 FIG. 6B



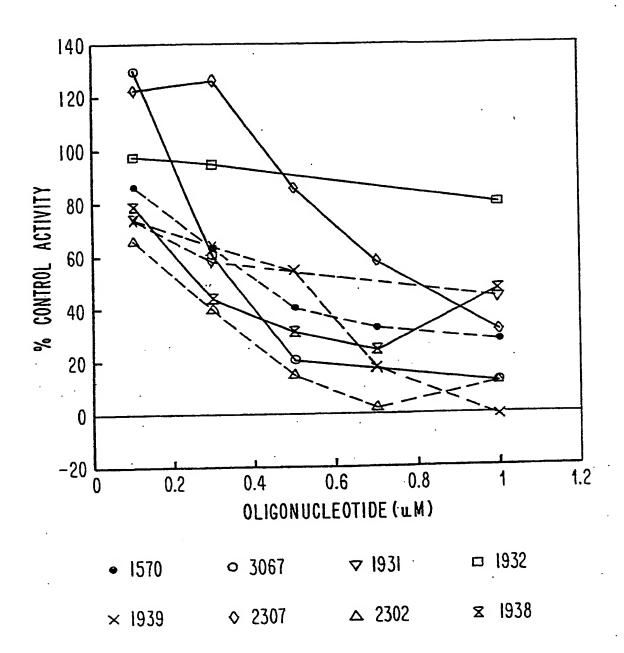


FIG. 8

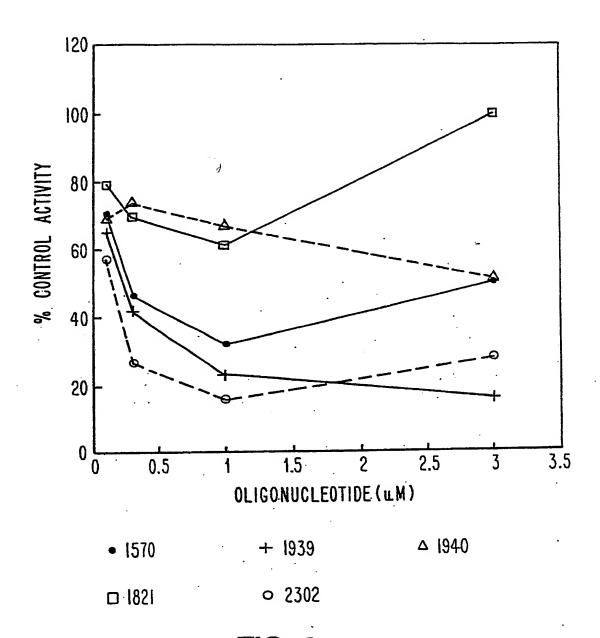
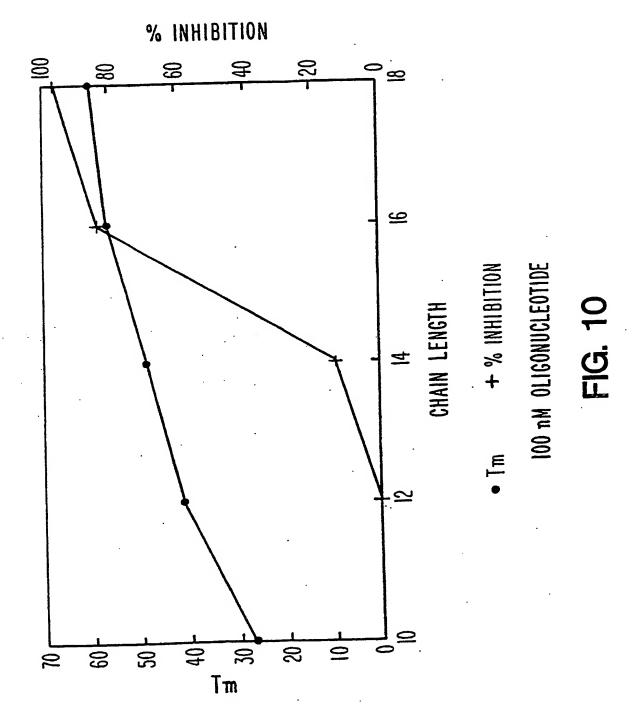


FIG. 9



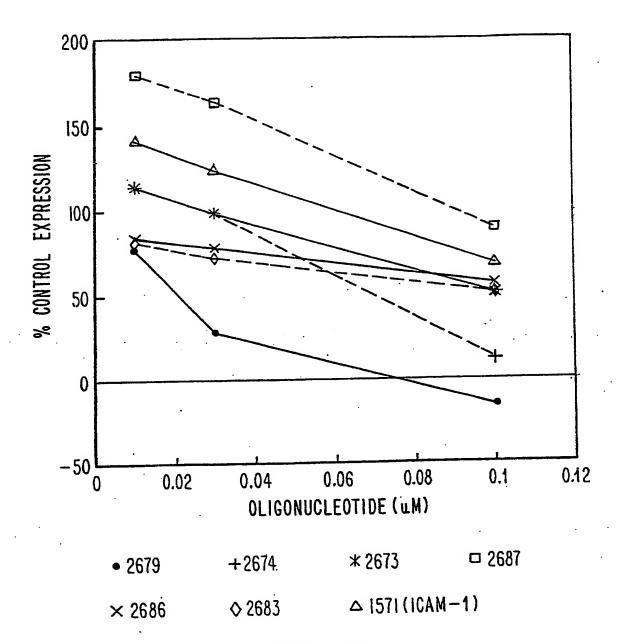
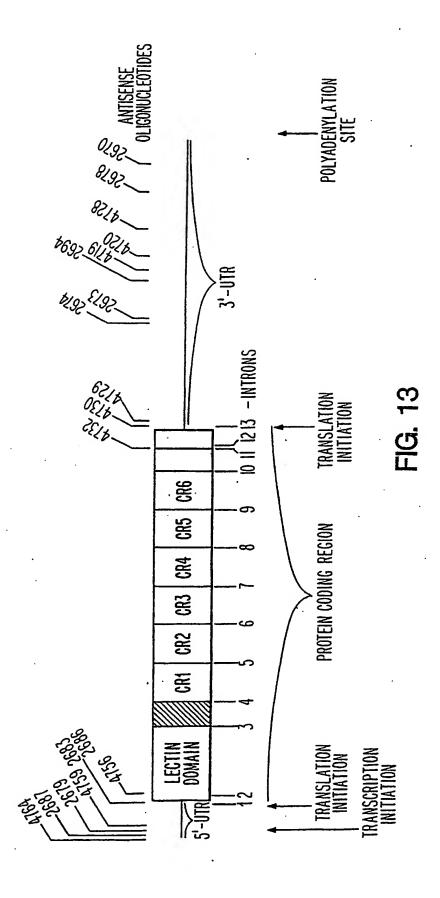
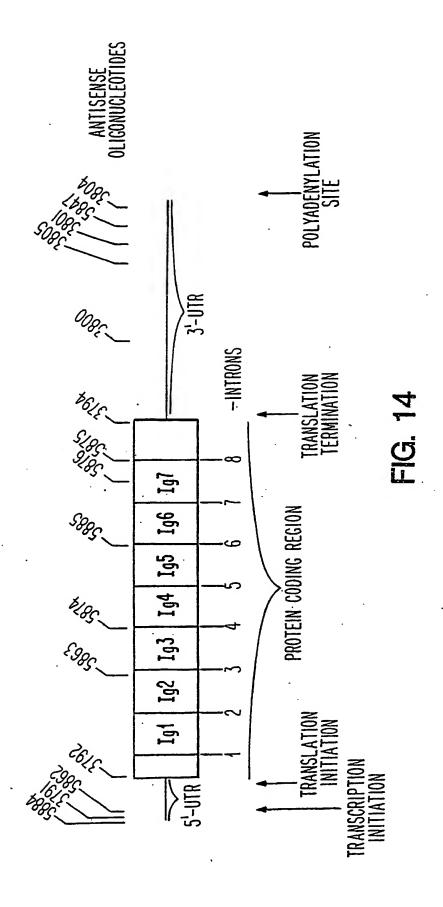


FIG. 12





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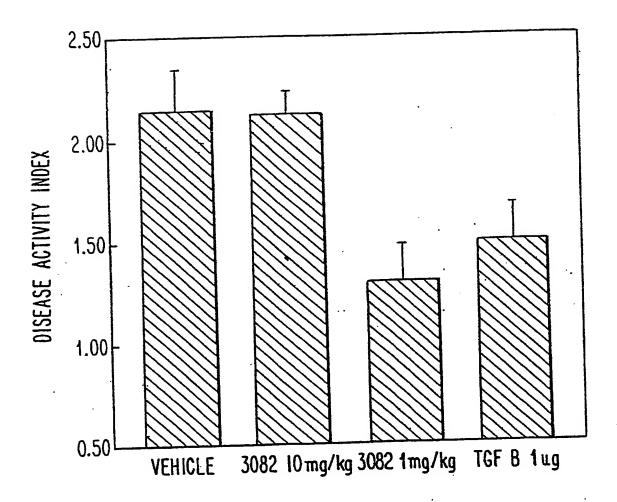


FIG. 16

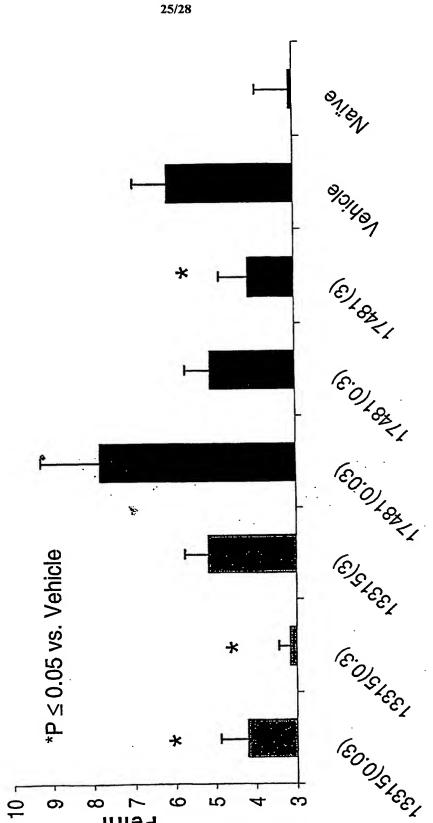


FIG. 17

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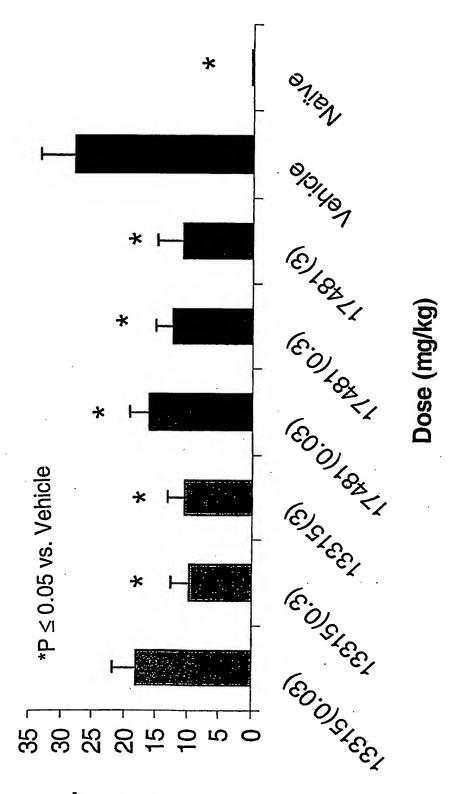
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Percent Eosinophils

F16.18

# ONEN ODINON (E) LONG (E) LONG (E) LEEK (E) CECK \*P ≤ 0.05 vs. Vehicle

Percent Meutrophils

F16. 19

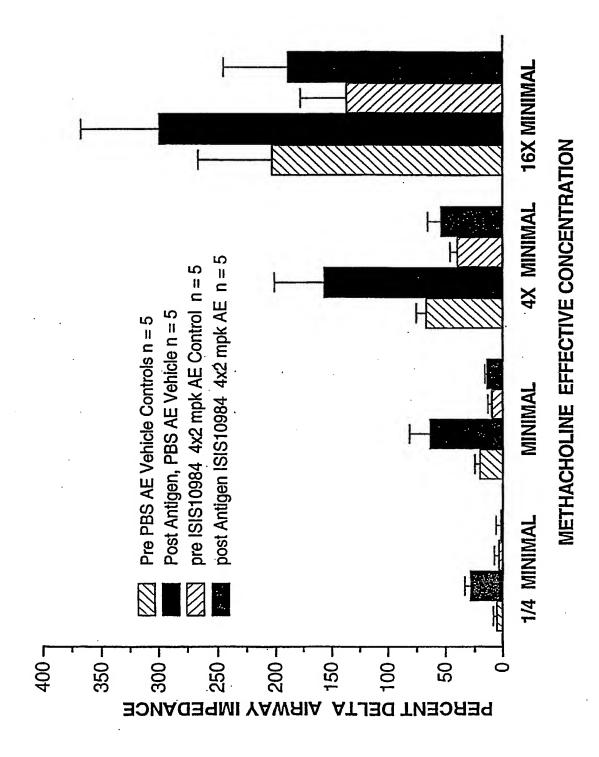


Fig. 20

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